

Applicant: Zeppezauer et al.
Serial No.: 09/988,165

REMARKS

In accordance with 37 C.F.R. § 1.821, Applicant encloses copies of a substitute sequence listing in both computer-readable and paper form. The specification has been amended to include appropriate sequence identifiers that are consistent with the sequence identifiers in the enclosed substitute sequence listing. Also enclosed is a Statement of Support of CRF under 37 C.F.R. § 1.821.

In the Specification, SEQ ID NO. 4 has been amended to change the present amino acid U to V. This was simply a clerical error in the sequence. SEQ ID NO. 4 is part of the human peptide Histon H1.1 190-214, as supported in the specification on page 2, lines 10-11 and page 6, lines 8-21. This peptide was available to the public as early as December 12, 1990 in EMBL/GenBank/DDBJ databases, Accession Number X57130.1, as evident by Appendix A, which predates the parent application of the present application. Therefore, one skilled in the art would clearly know that U (Uracil) is a nucleic acid, not amino acid and that the correct amino acid should have been V (Valine), as indicated in the sequence published in the public databases.

Applicant respectfully requests entry of the foregoing amendments and entry of the substitute sequence listing into the specification.

Oct 22, 2003
Date:

Respectfully submitted,



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ID HSH11 standard; genomic DNA; HUM; 1034 BP.
 XX
 AC X57130;
 XX
 SV X57130.1
 XX
 DT 09-NOV-1992 (Rel. 34, Created)
 DT 19-APR-1993 (Rel. 35, Last updated, Version 2)
 XX
 DE H.sapiens H1.1 gene for histone H1
 XX
 KW H1.1 gene; histone H1.
 XX
 OS Homo sapiens (human)
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
 OC Eutheria; Primates; Catarrhini; Hominidae; Homo.
 XX
 RN [2]
 RP 1-1034
 RA Kardalidou E.;
 RT ;
 RL Submitted (19-DEC-1990) to the EMBL/GenBank/DDBJ databases.
 RL Kardalidou E., Zentrum Biochemie, Abteilung Molekularbiologie, Humboldtallee
 RL 23, D-3400 Goettinger, FRG.
 XX
 RN [3]
 RP 1-1034
 RX MEDLINE; 89338424.
 RX PUBMED; 2759094.
 RA Eick S., Nicolai M., Mumberg D., Doenecke D.;
 RT "Human H1 histones: conserved and varied sequence elements in two H1
 RT subgroups";
 RL Eur. J. Cell Biol. 49(1):110-115(1989).
 XX
 DR GOA; Q02539.
 DR SWISS-PROT; Q02539; H11_HUMAN.
 XX
 FH Key Location/Qualifiers
 FH
 FT source 1..1034
 FT /db_xref="taxon:9606"
 FT /mol_type="genomic DNA"
 FT /organism="Homo sapiens"
 FT /tissue_type="placenta"
 FT /clone_lib="genomic DNA in EMBL3"
 FT CAAT signal 59..63
 FT TATA signal 82..86
 FT CDS 168..815
 FT /db_xref="GOA:Q02539"
 FT /db_xref="SWISS-PROT:Q02539"
 FT /gene="H1.1"
 FT /product="histone H1"
 FT /protein_id="CAA40409.1"
 FT /translation="MSETVPPAPAASAAPEKPLAGKKAKKPAKAAAASKKKPAGPSVSE
 FT LIVQAASSSKERGGVSLAALKKALAAAGYDVEKNSRIKLGISLVSKGTLVQTKGTGA
 FT SGSFKLNKKASSVETKPGASKVATKTKATGASKKLKATGASKKSVKTPKKAKKPAATR
 FT KSSKNPKPKPTVKPKKVAKSPAKAKAVKPKAAKARVTKPKTAKPKKAAPKKK"
 FT terminator 849..864
 FT /note="histone mRNA terminator"
 XX